

10/5345337137

Rec'd PCT/PTO 06 MAY 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044054 A1

(51) International Patent Classification⁷: C08L 63/00,
C08G 59/40, C08K 3/00

(21) International Application Number:
PCT/US2003/035519

(22) International Filing Date:
7 November 2003 (07.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/425,196 8 November 2002 (08.11.2002) US

(71) Applicant (for all designated States except US): AKZO
NOBEL N.V. [NL/NL]; Verlperweg, 76, P.O. Box 9300,
NL-6800 SB Arnhem (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LEVCHIK, Sergei
[BY/US]; 51 Harrison Street, Croton-on-Hudson, NY
10520 (US). BUCZEK, Mark [US/US]; 31 Palmer Av-
enue, Sleepy Hollow, NY 10591 (US).

(74) Agent: FENNELLY, Richard, P.; Akzo Nobel Inc., Intel-
lectual Property Department, 7 Livinstone Avenue, Dobbs
Ferry, NY 10522-3408 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: EPOXY RESIN COMPOSITION CONTAINING REACTIVE FLAME RETARDANT PHOSPHONATE OLIGOMER
AND FILLER

(57) Abstract: An epoxy resin composition is disclosed that comprises an epoxy resin, a reactive phosphonate curing agent, an inorganic filler, whose presence allows for reduced amounts of phosphonate as compared to a composition not containing the filler, an optional polybenzoxazine resin, and an optional co-curing agent.

WO 2004/044054 A1